

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

08/19/2011

Ryan Mingo  
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to be "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

**Annie Khan (Dookhan)**

### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Della Saunders

### Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

### Experience:

**1985-present:** Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

**1984-1985:** Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

### Training:

**1985:** Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

**1987:** One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

**1992:** Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

**1996:** Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

**2001:** Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

**2002:** Techniques of Supervision Training (MDPH)

**1999:** Notary Public Commonwealth of Massachusetts

# Boston Police

CC #

BOOK #

PAGE #

DRUG RECEIPT

District/Unit

Area D DCU

Destruction #

Name &amp; Rank of Submitting Officer

P.V. Lopez

ID #

9370

DEFENDANT'S NAME

ADDRESS  
# STREET

CITY

STATE

BO.

BO.

Mattapan

MA,

MA,

MA,

DRUGS-IMPLEMENTS-AND/OR PARAPHERNALIA

GROSS QUANTITY

ANALYSIS  
NUMBER

Crack Cocaine 3.02g

"

"

3.26g

3.55g

070004988-004-00

2.83g

1 lg rock

6 P/B's

5 P/B's

1 lg rock

Received by

DJR

ID#

1-8-07

07 0031

Prelim: cocaine (10)

No. [REDACTED] Date Analyzed: APR 02 2007

City: BOSTON D.C.U.

Def: [REDACTED]

Am't: Sub: SUB Cont: 1 PB

#TESTED:

Date Rec: 01/08/2007 From: P.O. D. LOPEZ

Gross Wt: 2.83

# Tests: 6 ASD

Net Weight: 0.55

FINDINGS: cocaine

QUANT:

# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Boston ANALYST ASD

No. of samples tested:           

Evidence Wt.                      ✓

## PHYSICAL DESCRIPTION:

off white chunky substance  
in 1 bag

Seems to be double bagged

Gross Wt ( ): 1.5105

Gross Wt ( ):                     

Pkg. Wt:                     

Net Wt: 0.5571

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( - ) +

Marquis -

Froehde's -

Mecke's -

### Microcrystalline Tests

Gold  
Chloride +

TLTA ( - ) +

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 03-28-07

## GC/MS CONFIRMATORY TEST

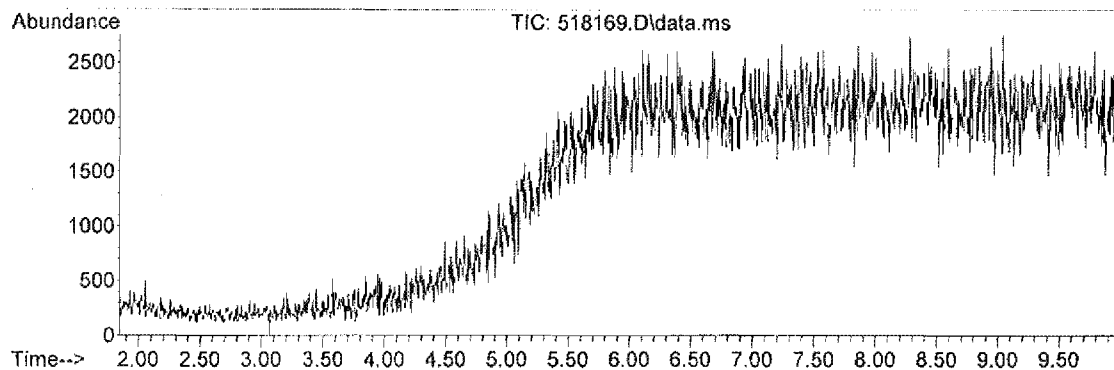
RESULTS cocaine

MS  
OPERATOR DCS

DATE 4-2-07

## Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518169.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 7:07  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

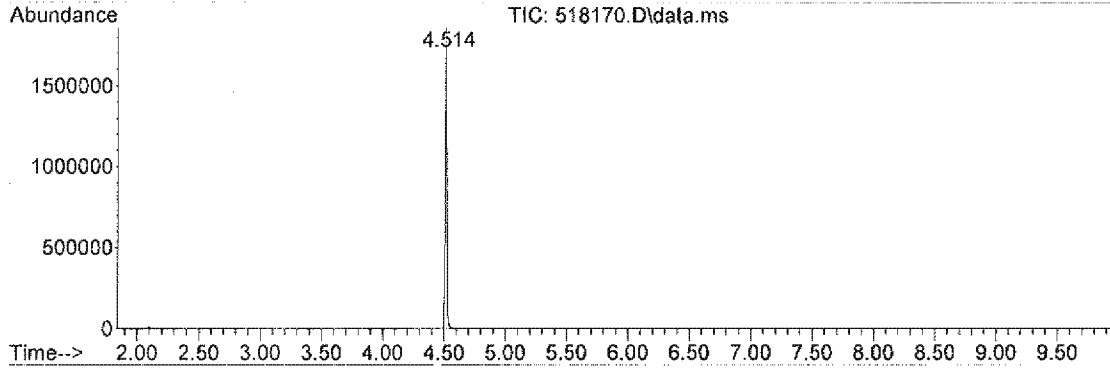


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518170.D  
 Operator : DCS  
 Date Acquired : 31 Mar 2007 7:21  
 Sample Name : COCAINE STANDARD  
 Submitted by :  
 Vial Number : 70  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.514	1702753	100.00	100.00



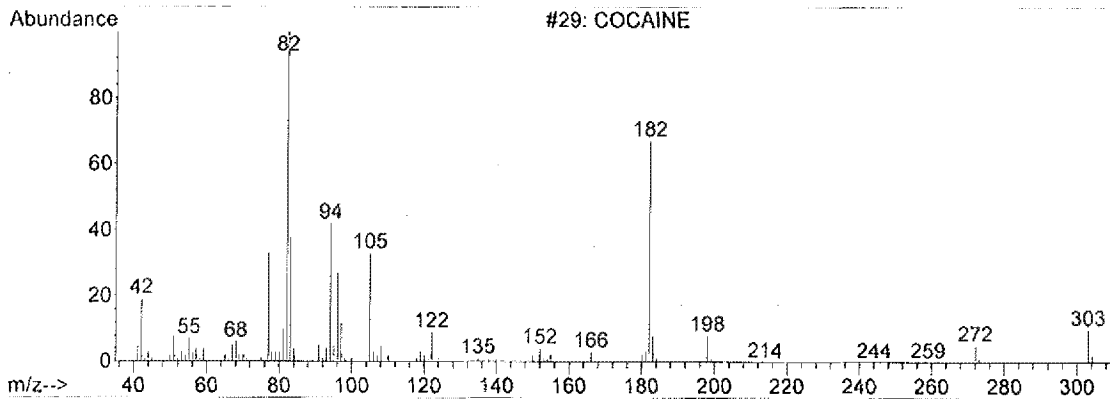
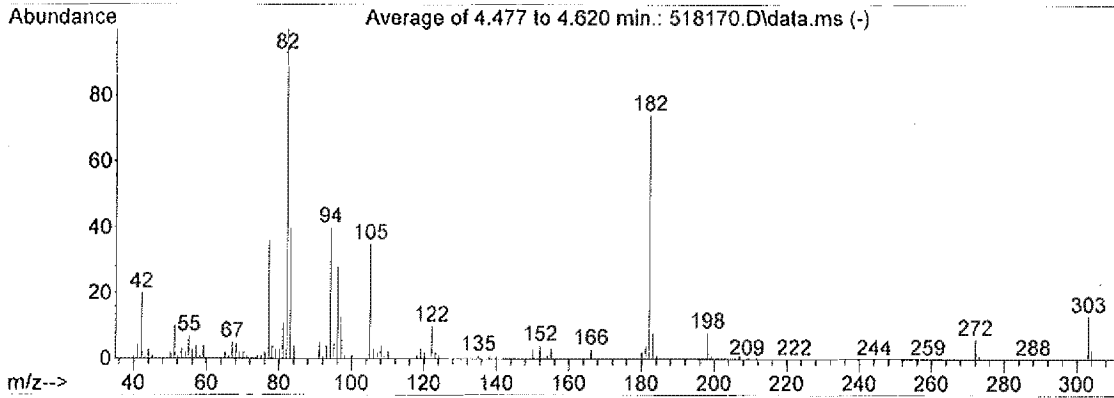
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\03\_30\_07\518170.D  
 Operator : DCS  
 Date Acquired : 31 Mar 2007 7:21  
 Sample Name : COCAINE STANDARD  
 Submitted by :  
 Vial Number : 70  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

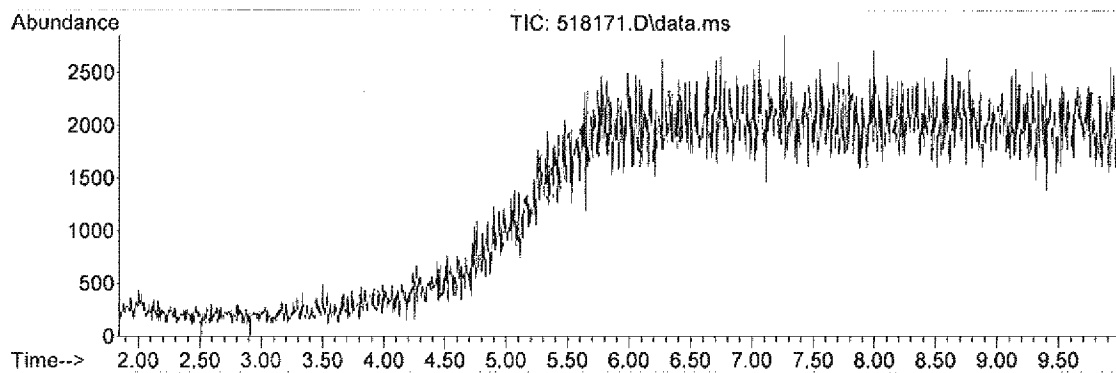
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.51	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518171.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 7:35  
Sample Name : BLANK  
Submitted by : DJR  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

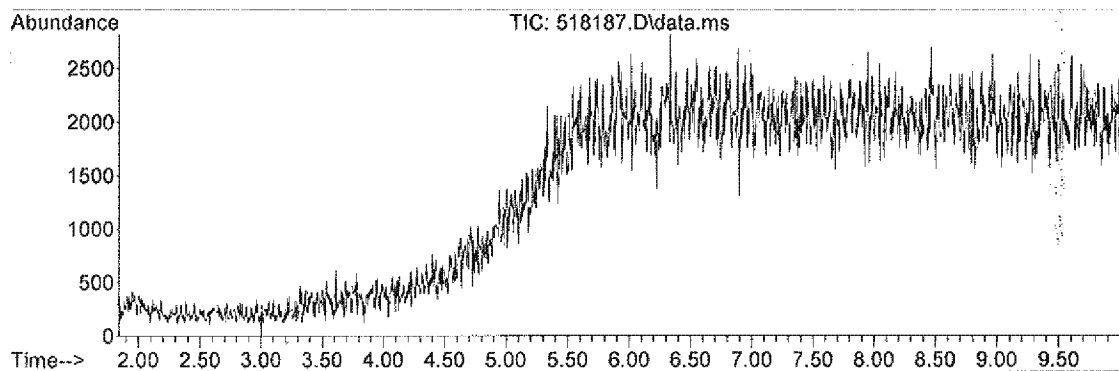


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

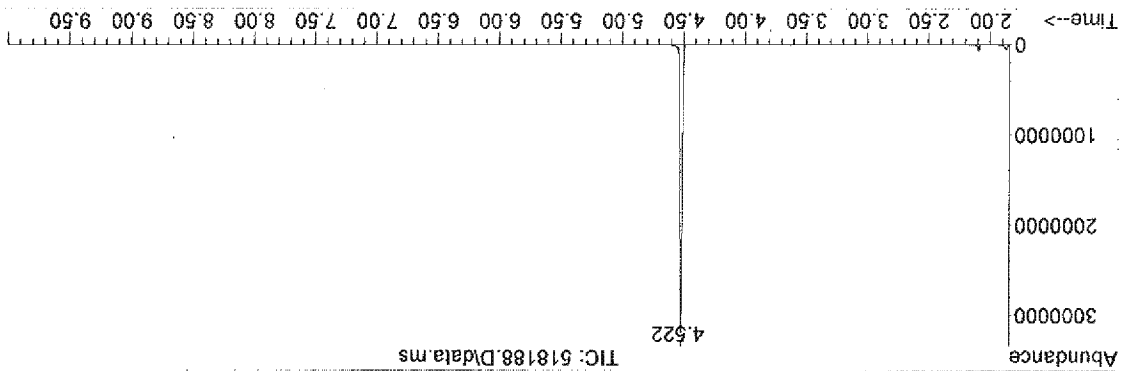
File Name : D:\SYSTEM4\03\_30\_07\518187.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 11:16  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:  
 File Name : D:\SYSTEM4\03\_30\_07\518188.D  
 Operator : DCS  
 Date Acquired : 31 Mar 2007 11:29  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 88  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



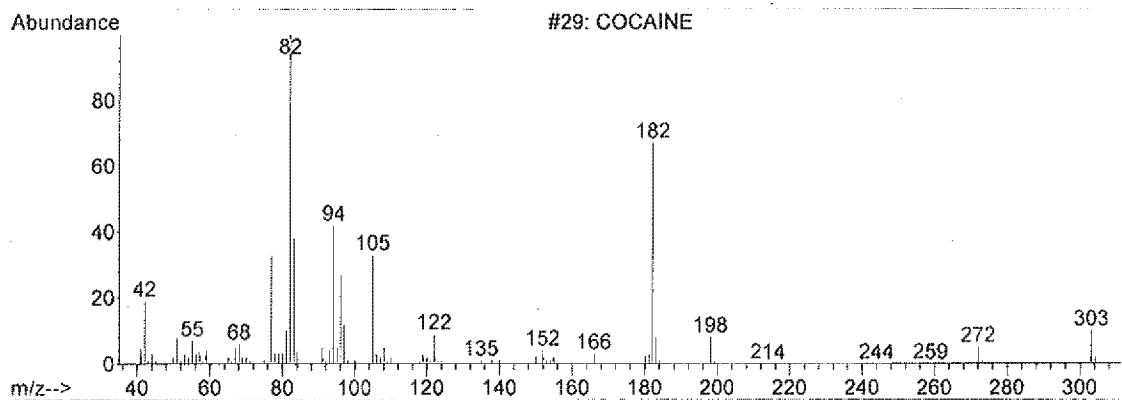
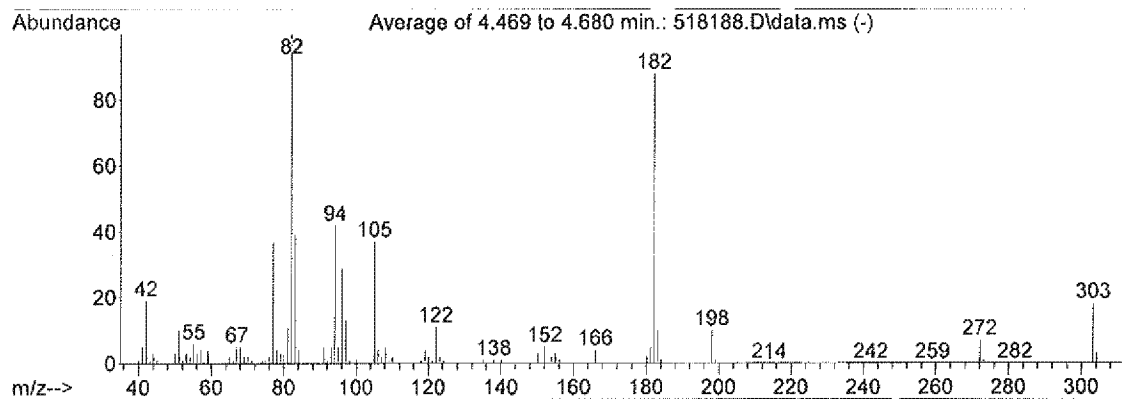
Ret. Time	Area	Area %	Ratio %
4.522	4004338	100.00	100.00

## Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518188.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 11:29  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 88  
AcquisitionMeth: DRUGS  
Integrator : RTE

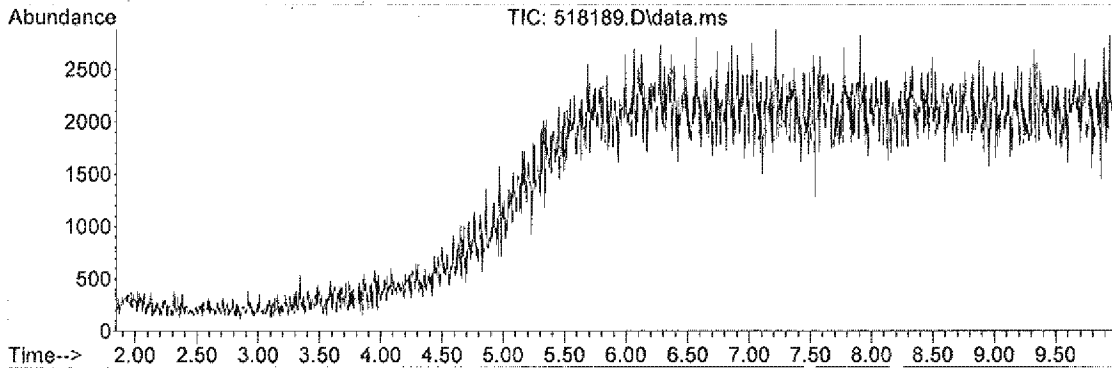
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.52	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518189.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 11:43  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

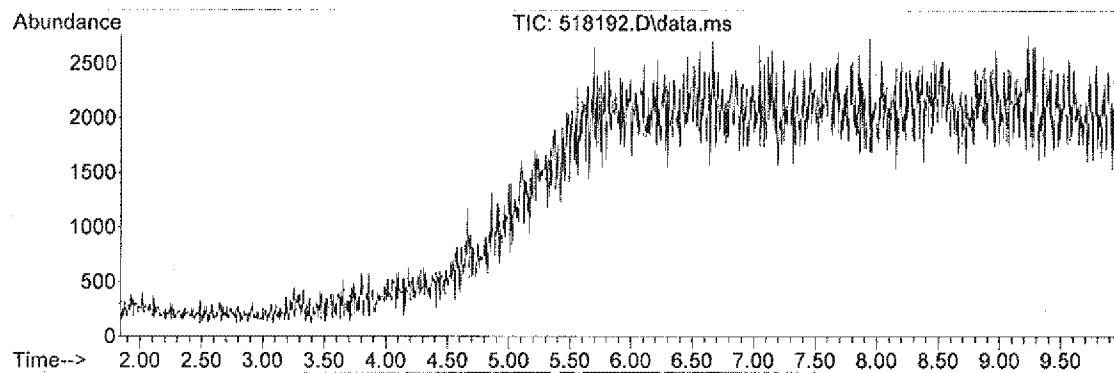
# Area Percent / Library Search Report

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File Name : D:\SYSTEM4\03\_30\_07\518192.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 12:25  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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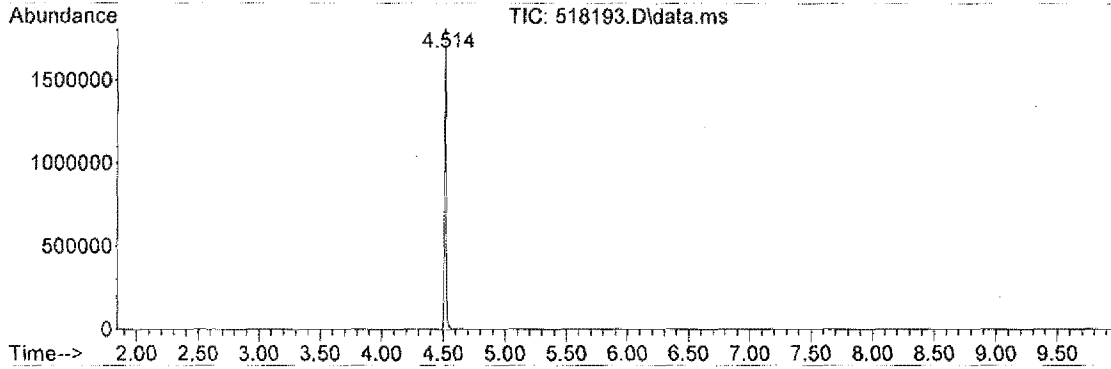
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\03\_30\_07\518193.D  
 Operator : DCS  
 Date Acquired : 31 Mar 2007 12:38  
 Sample Name : COCAINE STANDARD  
 Submitted by :  
 Vial Number : 93  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.514	1632650	100.00	100.00



# Area Percent / Library Search Report

**Information from Data File:**

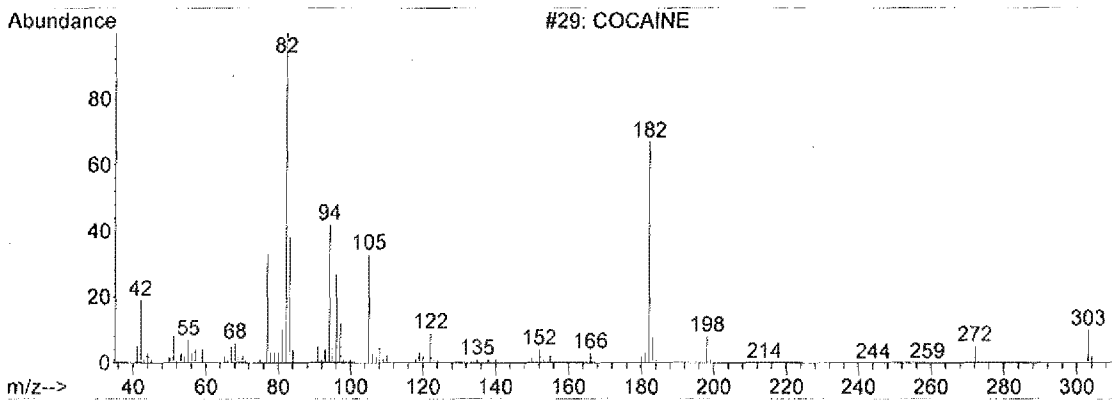
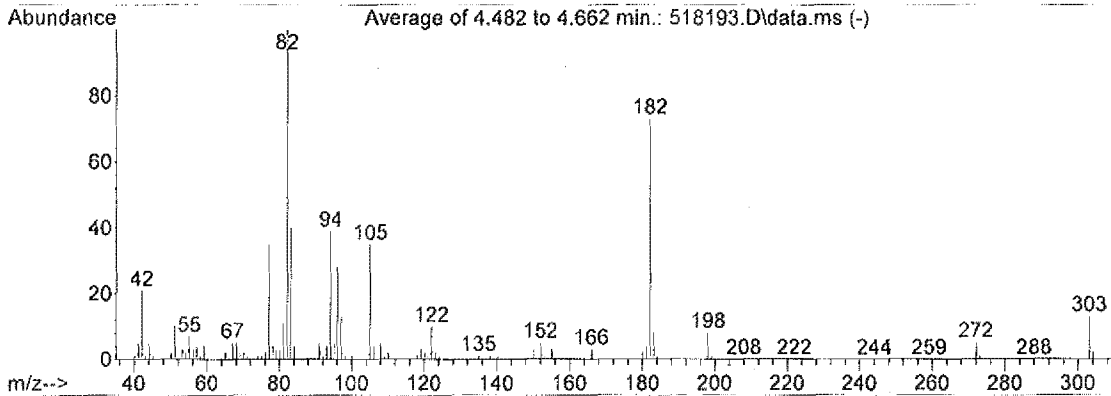
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File Name       : D:\SYSTEM4\03_30_07\518193.D
Operator        : DCS
Date Acquired   : 31 Mar 2007  12:38
Sample Name     : COCAINE STANDARD
Submitted by    :
Vial Number     : 93
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 80
                  C:\Database\PMW_TOX2.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.51	C:\Database\SLI.L COCAINE	000050-36-2	99



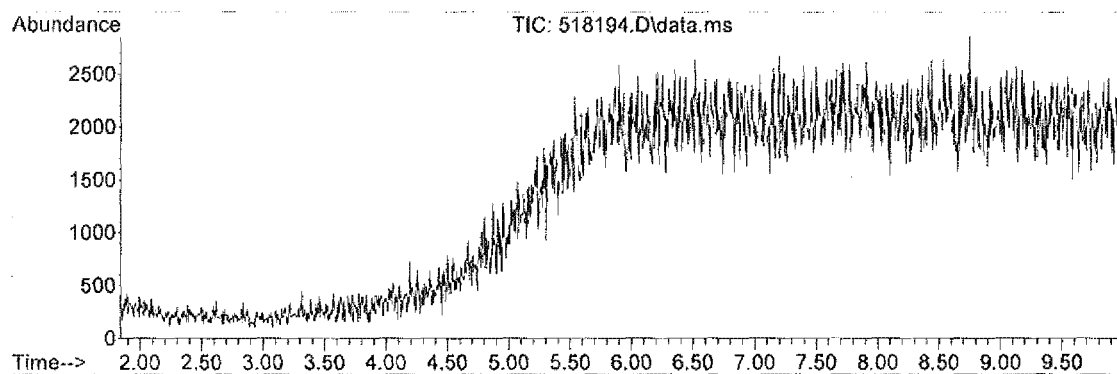
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\03\_30\_07\518194.D  
Operator : DCS  
Date Acquired : 31 Mar 2007 12:52  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*